

# SMOKEETER® Model SE 24

## Features and Specifications

SMOKEETER Model SE 24 is a self-contained, two-stage electrostatic precipitator, specifically designed to remove tobacco smoke, dust, pollen, bacteria and other contaminants from the air.

**1. Cabinet**—The easy access cabinet is constructed of 20-gauge galvanized steel for durability. The faceplate of the Model SE 24 is designed to fit into a 2' x 4' ceiling tile space.

**2. Prefilter**—The prefilter is constructed of layered aluminum mesh screens to capture large airborne particles as they enter the unit.

**3. Unicell**—The unicell is an advanced design which combines the traditionally separate cell and ionizer into one frame for ease of handling. The unicell weighs 23 lbs. (10.4 kg).

**Ionizer**—The ionizer is constructed with an aluminum airfoil frame which shields the ceramic insulators from the airstream. It has six tungsten wires which resist coating and corrosion. Each seven mil wire is mounted with stainless steel springs on each end to provide a constant, even tension.

**Collection Cell**—The cell has the deepest plate design in the industry to maximize efficiency. The plates are constructed of an aluminum alloy and shaped to maintain flatness. Spacer rods are inset for rigidity and control of plate spacing, with a total surface area of 14,990 sq. in. (38,075 cm<sup>2</sup>) Supporting insulators are shielded from the airstream by inverted end plates. Contact with high voltage is made through high voltage leads with specially molded connectors. The voltage gradient is 24,000 volts per inch minimum to ensure the collection of particles.

**4. Afterfilter**—An optional activated carbon afterfilter helps control odors.

**5. PowerPack**—The state-of-the-art, U.L. recognized, solid-state power pack supplies 11,000 volts DC to the ionizer and 5,500 volts DC to the

collection cell. Output current is limited to five milliamperes as a safety feature. In the event of an overload condition, the power pack automatically de-energizes, then resets itself when the overload is corrected. An internal resistor removes any residual charge on the components when power is removed from the unit.

**6. Motor/Blower**—Air movement is provided by a low speed, dynamically-balanced, forward-curved blower. It is driven by a 1/2 horsepower motor which is thermally protected.

**7. Face Plate Grille**—The electrically interlocked, hinged face plate grille is easily removed for access to the collecting components for cleaning. The face plate grille also has fixed louvers for directing both intake and exhaust air. This unique louver design eliminates drafts by creating an air pattern which hugs the ceiling.

**8. Variable Speed Control Switch**—The switch provides variable adjustment of blower speed between 350 and 1,020 CFM (600 and 1,750 m<sup>3</sup>/h).

**9. Indicator Lamp (not shown)**—The lamp, operated by the power pack, is illuminated during normal operation and will shut off in the absence of high voltage to the collection components.

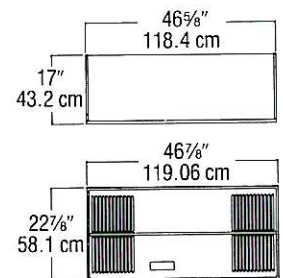
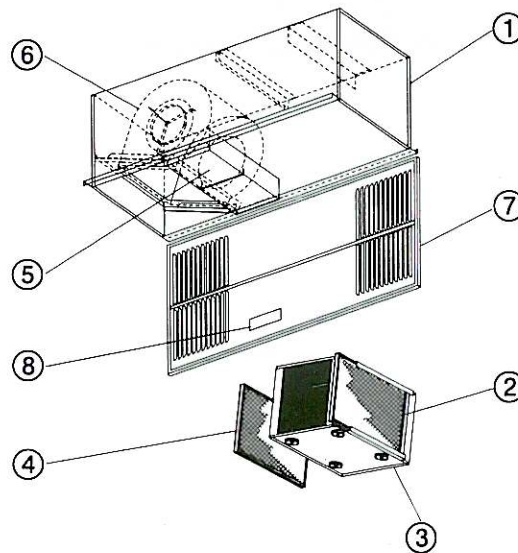
**MOUNTING:** Installs in a T-bar drop ceiling, replacing one 2' x 4' tile.  
**CFM RATING:** Variable between 930-1,020 CFM (1,575-1,750 m<sup>3</sup>/h) (high speed) and 350-875 CFM (600-1,500 m<sup>3</sup>/h) (low speed). The motor/blower combination is capable of providing 1,800 CFM (3,050 m<sup>3</sup>/h) in free air.

**ELECTRICAL:** 115 volts/60 Hz or 230 v/50 Hz @ 6.4 amps, 740 watts maximum

**WEIGHT:** 130 lbs.-shipping, (59 kg) 118 lbs.-hanging (53.5 kg)

**WARRANTY:** As evidence of our commitment to provide high quality air cleaning equipment, this SMOKEETER model carries a limited three-year warranty against manufacturer's defects in parts and workmanship.

United Air Specialists, Inc., having a policy of continuous product improvement, reserves the right to make changes in design and specifications without notice.



4440 Creek Road  
Cincinnati, Ohio 45242-2832

Telephone: (513) 891-0400 • Fax: (513) 891-4882  
http://www.uasinc.com • smokeeter@uasinc.com



An ISO 9001 Certified Company

©1988, 1998 United Air Specialists, Inc. SR24 3/98 5M CBP